

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6454-66999-01
Application Number	10/671,750
Filing Date	September 26, 2003
First Named Inventor	Bowie G. Keefer
Art Unit	1745
Examiner Name	To be assigned

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
	AM	3,847,672	November 1974	Trocciola et al.
		3,865,924	February 1975	Gidaspow et al.
		4,532,192	July 1985	Baker et al.
		4,555,453	November 1985	Appleby
		4,595,642	June 1986	Nakanishi et al.
		4,759,997	July 1988	Ohyauchi et al.
		4,781,735	November 1988	Tagawa
		4,801,308	January 1989	Keefer
		4,816,121	March 1989	Keefer
		4,969,935	November 1990	Hay
		4,988,580	January 1991	Ohsaki et al.
		4,994,331	February 1991	Cohen
		5,068,159	November 1991	Kinoshita
		5,175,061	December 1992	Hildebrandt et al.
		5,245,110	September 1993	Van Dijk et al.
		5,328,503	July 1994	Kumar
	AM	5,366,818	November 1994	Wilkinson et al.

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		5,434,016	July 1995	Benz et al.
		5,523,326	June 1996	Dandekar et al.
		5,543,238	August 1996	Strasser
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		5,645,950	July 1997	Benz et al.
		5,711,926	January 1998	Knaebel
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		5,811,201	September 1998	Skowronski
		5,900,329	May 1999	Reiter et al.
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		6,045,933	April 2000	Okamoto
		6,056,804	May 2000	Keefer et al.
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		6,190,623	February 2001	Sanger et al.
AM		6,190,791	February 2001	Hornburg

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AM		6,283,723	September 2001	Milburn et al.
		6,312,843	November 2001	Kimbara et al.
		6,358,300	March 2002	Fornof et al.
AM		6,667,128	December 2003	Edlund

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AM		Canada	1,256,038	June 1989	
		Canada	2,016,045	August 1994	
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		Canada	2,087,973	January 2000	
		Canada	2,109,055	February 2000	
		Europe	EP 0 143 537 A2	June 1985	
		Europe	EP 0 341 189 A1	August 1989	
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AM		Europe	EP 0 681 860 A2	July 1996	


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		Europe	EP 1 070 531 A2	January 2001	
		Germany	DE 3913581 A1	November 1990	
		Japan (Abstract)	JP 62 278770	March 1987	
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		Japan (English Translation)	JP 63 228572 A	September 1988	
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		Japan (Abstract)	JP 11 214021 A2	August 1999	
		WIPO/PCT	WO 96/13871	May 1996	
		WIPO/PCT	WO 99/01202	January 1999	
		WIPO/PCT	WO 99/19249	April 1999	
↓		WIPO/PCT	WO 99/46032	September 1999	
AM		WIPO/PCT	WO 00/76630	December 2000	
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		Chatsiriwech et al., <i>Catalysis Today</i> 20:351-366, 1994				
		Ding et al., <i>Chemical Engineering Science</i> 55:3461-3474, 2000				
		Ding et al., <i>Chemical Engineering Science</i> 55:3929-3940, 2000				
		Hufton et al., <i>AIChE J.</i> 45(2):248-256, 1999				
		Iyuke et al., <i>Chemical Engineering Science</i> 55:4745-4755, 2000				
		Vaporciyan and Kadiec, <i>AIChE J.</i> 35:831-844, 1989				
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AM		International Search Report from International Application No. PCT/CA02/00368				

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		2002/0004157	January 2002	Keefer et al.
		2002/0098394	July 2002	Keefer et al.
		2002/0104518	August 2002	Keefer et al.
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		2002-0112479	August 2002	Keefer et al.
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		2002-0142208	October 2002	Keefer et al.
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		2003-0157390	August 2003	Keefer et al.
		2004-0005492	January 2004	Keefer et al.
		3,094,569	June 1963	Thomas
		3,204,388	September 1965	Asker
		3,430,418	March 1969	Wagner
		3,513,631	May 1970	Siebert et al.
AM		3,564,816	December 1968	Batta

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		4,019,879	April 1977	Rabo et al.
		4,144,037	March 1979	Armond et al.
		4,153,434	May 1979	Settlemyer
		4,200,682	April 1980	Sederquist
		4,272,265	June 1981	Snyder
		4,322,394	March 1982	Mezey et al.
		4,354,859	October 1982	Keller et al.
		4,406,675	September 1983	Dangieri et al.
		4,452,612	June 1984	Mattia
		4,530,705	July 1985	Firey
		4,553,981	November 1995	Fuderer
		4,578,214	March 1986	Jungerhans
		4,587,114	May 1986	Hirai et al.
		4,696,682	September 1987	Hirai et al.
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↓		4,726,816	February 1988	Fuderer
AM		4,743,276	May 1988	Nishida et al.

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↑		4,783,433	November 1988	Tajima et al.	
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		5,126,310	June 1992	Golden et al.	
		5,133,784	July 1992	Boudet et al.	
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		5,217,916	December 1993	Vanderborgh et al.	
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		5,258,571	November 1993	Golden et al.
		5,271,916	December 1993	Vandenborgh et al.
		5,282,886	February 1994	Kabayashi et al.
		5,360,679	November 1994	Buswell et al.
		5,393,326	February 1995	Engler et al.
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		5,441,559	August 1995	Petit et al.
		5,487,775	January 1996	LaCava et al.
		5,509,956	April 1996	Opperman et al.
		5,529,763	June 1996	Peng et al.
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		5,531,809	July 1996	Golden et al.
↓		5,593,478	July 1997	Hill et al.
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		5,656,067	August 1997	Watson et al.
		5,658,370	August 1997	Vigor et al.
		5,766,311	June 1998	Ackley et al.
		5,827,358	October 1998	Kulish et al.
		5,876,486	March 1999	Steinwandel et al.
		5,891,217	April 1999	Lemcoff et al.
		5,925,322	July 1999	Werth
		5,955,039	September 1999	Dowdy
		5,958,109	September 1999	Fuderer
		5,968,680	October 1999	Wolfe et al.
		5,981,096	November 1999	Hornberg et al.
		5,998,056	December 1999	Divisek et al.
		6,022,399	February 2000	Ertl et al.
		6,051,050	April 2000	Keefer et al.
		6,060,032	May 2000	Hable et al.
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		6,293,998	September 2001	Dolan et al.
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		Europe (abstract)	EP 0 751 045	January 1997	Daimler Benz AG (DE)
		Europe	EP 0 853 967	July 1998	The BOC Group, Inc.
		Europe (abstract)	EP 1 095 689 A1	October 1999	Air Liquide
		Europe	EP 1 172 772	January 2001	Azkoyen Medios de Pago, S.A.
		Britain	GB 2 042 365	September 1980	BOC Limited
		Japan (Abstract)	JP 10325360 A	December 1998	Yoshio Kurosawa
		Japan (Abstract)	JP 5166528 A	October 1993	Mitsubishi Electric Corp.
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		Japan (Abstract)	JP 62274561	November 1978	Mitsubishi Heavy Ind. Ltd.
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		Japan (Abstract)	JP 63034862	February 1998	Mitsubishi Electric Corp.
		Japan (Abstract)	JP 63166157	July 1988	Tokyo Tungsten KK
		WIPO/PCT (abstract)	WO 94/04249	August 1992	Jacques Ribesse
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		WIPO/PCT	WO 00/16880	March 2000	ALLIEDSIGNAL Inc.
		WIPO/PCT	WO 00/76630	December 2000	QuestAir Technologies, Inc.
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